

**POWER UNIT, AND INVERTER USED FOR IT**

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Abstract of JP 2003153551 (A)

**PROBLEM TO BE SOLVED:** To provide a power unit which can directly match a rectifier/filter, a DC-DC converter, and a DC-AC inverter and can improve power efficiency by reducing the volume, and an inverter used for it. **SOLUTION:** The power unit is composed of the rectifier/filter, the DC-DC converter, and the DC-AC inverter. The rectifier/filter is used to convert inputted AC voltage into DC voltage, being connected to an AC power source. The DC-DC converter and the DC-AC inverter are connected in parallel, and one end each is connected to the output end of the rectifier/filter, and the other end each outputs power required for a system. The DC-DC converter reduces the converted DC voltage to low DC voltage, and supplies it to all circuits excluding a lamp, and the DC-AC inverter converts converted DC voltage into high AC voltage and outputs it to drive the lamp.

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